

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1440	428/31.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:14
S2	149	428/31.ccls. and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:19
S3	9053	"446"/\$.ccls. and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 11:55
S4	66	428/542.2.ccls. and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:23
S5	34	428/24.ccls. and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:25
S6	37	428/28.ccls. and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:25
S7	1673	"446"/\$.ccls. and spring and (ball or sphere)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:26
S8	67	"446"/\$.ccls. and spring and (ball or sphere) and (ornament or decoration)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:30
S9	928	spring and (ball or sphere) and (ornament or decoration)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:30
S10	6	((("0206387") or ("4,572,875") or ("4955807"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 17:51
S11	272709	"428"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 11:57

## EAST Search History

S12	91046	"40"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 11:57
S13	12077	"63"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 11:58
S14	50845	"446"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 11:58
S15	417053	S11 OR S12 OR S13 OR S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/20 11:58
S16	272709	"428"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 13:54
S17	91046	"40"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 13:54
S18	12077	"63"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 13:54

## EAST Search History

S19	50845	"446"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 13:54
S20	417053	S16 OR S17 OR S18 OR S19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/20 13:54
S21	1876	S20 and (thread or threaded or threads or screw) and (spring or springs) and (ornament\$ or decorat\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/20 13:54
S22	0	("2006/0185391").URPN.	USPAT	OR	OFF	2006/11/20 14:13
S23	0	("RE19652").URPN.	USPAT	OR	OFF	2006/11/20 14:24
S24	0	("1972687").URPN.	USPAT	OR	OFF	2006/11/20 14:25
S25	0	("2518041").URPN.	USPAT	OR	OFF	2006/11/20 14:40
S26	26	("2760303").URPN.	USPAT	OR	OFF	2006/11/20 15:30
S27	58	("0278461"   "0814313"   "1224044"   "1652775"   "1710478"   "1837662"   "2322668"   "2729022"   "2760303"   "2816384"   "3435550"   "D035246"   "D083606"   "D138777"   "D147378"   "D161962"   "D181009"   "D192254"   "D294843"   "D301992"   "D324353"   "D337358"   "D382029"   "D384598"   "D415066"   "D436555"   "D455674"   "D463510"   "D463511"   "D463512"   "D464383"   "D465249").PN. OR ("D474421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:32
S28	4	("1710478").URPN.	USPAT	OR	OFF	2006/11/20 15:35
S29	24	("2199049"   "2484343"   "2760303"   "3863386"   "4020586"   "5141466"   "5403224"   "5498189"   "5803788"   "5947791"   "6183338"   "D226772").PN. OR ("6511359").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:36

## EAST Search History

S30	45	("2199049"   "2243912"   "2484343"   "2760303"   "2775064"   "2848236"   "3526991"   "3703292"   "3863386"   "4020586"   "5050834"   "5141466"   "5266920"   "5403224"   "5784817"   "5803788"   "5947791"   "6129606"   "6183338"   "6511359"   "6533634"   "D138777"   "D161962"   "D181009"   "D226772"   "D266273"   "D294843"   "D316404"   "D330509"   "D413152"   "D419309"   "D421034"   "D466565").PN. OR ("6729930").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:39
S31	6	("3526991").URPN.	USPAT	OR	OFF	2006/11/20 15:40
S32	4	("2775064").URPN.	USPAT	OR	OFF	2006/11/20 15:41
S33	9	("D181009").URPN.	USPAT	OR	OFF	2006/11/20 15:42
S34	6	("3526991").URPN.	USPAT	OR	OFF	2006/11/20 15:43
S35	7	("D226772").URPN.	USPAT	OR	OFF	2006/11/20 15:43
S36	24	("2199049"   "2484343"   "2760303"   "3863386"   "4020586"   "5141466"   "5403224"   "5498189"   "5803788"   "5947791"   "6183338"   "D226772").PN. OR ("6511359").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:44
S37	18	("3202424"   "D090081"   "D162796").PN. OR ("D294843").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:44
S38	10	("4824414"   "D161962"   "D181009"   "D274923").PN. OR ("D413152").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:45
S39	6	("D214278"   "D259577"   "D368122"   "D413152").PN. OR ("D478133").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:46
S40	4	("D214278").URPN.	USPAT	OR	OFF	2006/11/20 15:46
S41	25	("1793121"   "2554516"   "3452473"   "4708690"   "5221225"   "5297981"   "5316516"   "5356326"   "5964639"   "5993286").PN. OR ("6129606").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:47
S42	17	("1982491"   "20030166374"   "2296541"   "2799501"   "2827035"   "2911758"   "4205482"   "4985008"   "5690330"   "6129606"   "6171169"   "6273779").PN. OR ("6837769").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:48

## EAST Search History

S43	16	("0669498"   "1155692"   "1214454"   "1538704"   "1672242"   "2751707"   "4952191"   "5928055").PN. OR ("6273779").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:49
S44	54	("0843588"   "1813277"   "2095871"   "2554516"   "2611214"   "2611997"   "2663108"   "2709079"   "3172223"   "3252242"   "3557436"   "3921331"   "4566214"   "4611421"   "4614505"   "4650701"   "4689913"   "4893428"   "4931029"   "4965953"   "5003722"   "5069650"   "5100360"   "5322036"   "5515637"   "5632110"   "5636466"   "5682702"   "5720644"   "5901491"   "5926990"   "6021594"   "6070356"   "6092322"   "6129606"   "6212816"   "6216382"   "6266912"   "6273779"   "6374529"   "6385895"   "6574902").PN. OR ("6658782").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:49
S45	14	("1551250"   "1822437"   "2896948"   "3452473"   "4355482"   "5176560"   "5820441"   "6129606"   "6462498").PN. OR ("6652353").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:52
S46	36	("2243912"   "2439104"   "2760303"   "3114548"   "3516193"   "3526991"   "4009534"   "4352461"   "4662630"   "4929181"   "5046724"   "5072998"   "5255457"   "5322036"   "5391104"   "5921895"   "6129606"   "6264524"   "D138777"   "D161962"   "D294843"   "D410986"   "D413152"   "D419309"   "D426712").PN. OR ("6533634").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:54
S47	11	("3114548").URPN.	USPAT	OR	OFF	2006/11/20 15:54
S48	18	("0162141"   "3067717"   "3114548"   "3188089"   "3472514"   "3484106"   "3559989").PN. OR ("3764134").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:55
S49	8	("2243912").URPN.	USPAT	OR	OFF	2006/11/20 15:57

## EAST Search History

S50	36	("2243912"   "2439104"   "2760303"   "3114548"   "3516193"   "3526991"   "4009534"   "4352461"   "4662630"   "4929181"   "5046724"   "5072998"   "5255457"   "5322036"   "5391104"   "5921895"   "6129606"   "6264524"   "D138777"   "D161962"   "D294843"   "D410986"   "D413152"   "D419309"   "D426712").PN. OR ("6533634").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 15:58
S51	22	("0174866"   "0222334"   "1442290"   "1446835"   "1538562"   "1751433"   "2760303"   "5085075"   "6206747"   "6678979"   "D337358"   "D384598"   "D394463").PN. OR ("6733357").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 16:00
S52	18	("D075149"   "D131617"   "D175662"   "D313666").PN. OR ("D337358").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 16:00
S53	19	("0388122"   "1394689"   "20030166374"   "2202677"   "2202877"   "2760303"   "3465474"   "4411096"   "5112265"   "6511359"   "D470886"   "D474421").PN. OR ("6840838").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 16:01
S54	25	("2760303"   "3576374"   "4755074"   "5927881"   "6254298"   "D161962"   "D285545"   "D442650"   "D445151"   "D454365").PN. OR ("D470886").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/20 16:02